

CSWC Operational Period Summary

0600 March 10 to 1800 March 10 2014



Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

SITUATION SUMMARY

- SOC / Inland REOC remains activated in support of 2014 Drought

6.9 Magnitude Earthquake, Humboldt County (Final)

- On 3/09/14 at 2218 hours, a verified 6.9 Magnitude Earthquake occurred 40 miles off the coast of Eureka, Humboldt County.
- No tsunami advisory, watch or warning is in effect for California.
- Aftershocks of varying magnitudes have occurred today and there are still no reports of any damage or injuries.
- A Cal OES Coastal Region Senior ESC met with Humboldt County today and surveyed the area for any damage – there was nothing to report.
- See Northern California Significant Events slide for further information.
- This will be the final report on this incident unless circumstances warrant otherwise.

Near Term Outlook for Precipitation:

After scattered showers end on Monday, the rest of the week will likely be dry across California, as a strong high pressure area develops over the West Coast.

Significant Weather

- Red Flag Warning in effect from 1000 to 2100 hours Tuesday for areas in San Bernardino County.
- Fire Weather Watch in effect from Tuesday morning through Tuesday evening for portions of Imperial and Riverside Counties.
- Fire Weather Watch in effect from Wednesday morning through Wednesday afternoon for portions of Los Angeles, Orange, Riverside, San Bernardino, San Diego, and Ventura Counties.
- High Wind Watch in effect from late Tuesday night through Wednesday afternoon for portions of Los Angeles and Ventura Counties.

California Precipitation Forecast 3/9/14 – 3/14/14

North Coast

Counties: Del Norte, Humboldt, Mendocino, Lake, Sonoma, Napa

- 0.25-0.50" in Sonoma and Napa Counties
- 2.00-4.00" in Del Norte County
- 2.00-3.00" in Humboldt County
- 1.00-2.00" in Lake and Mendocino Counties

Cascade – Sierra

Counties: Siskiyou, Modoc, Trinity, Shasta, Lassen, Plumas, Sierra, Nevada, Placer, El Dorado, Amador, Alpine, Calaveras, Tuolumne, Mariposa

- Generally 0.50-1.00" for the Region
- 1.00-1.50" in the higher elevations of Plumas County
- Up to 2" in the higher elevations of Shasta County
- 2.00-3.5" in eastern Siskiyou County
- 1.00-2.00" in Trinity County

Bay Area

Counties: Marin, San Francisco, Contra, Costa, Alameda

- 0.25-0.50" in Marin County
- 0.10-0.25" in San Francisco
- Less than 0.10" elsewhere

California Precipitation Forecast 3/9/14 – 3/14/14 (Cont.)

Sacramento Valley

Counties: Tehama, Glenn, Butte, Colusa, Sutter, Yuba, Yolo, Sacramento, Solano

- 0.50-1.00" in the northern part of the Valley
- 0.25-0.50" across the central part of the Valley
- 0.10-0.25" across the southern part of the Valley
- 1.00" or more in the foothills of Butte and Tehama Counties

San Joaquin Valley

Counties: San Joaquin, Stanislaus, Merced, Madera, Fresno, Kings, Tulare, Kern

- Less than 0.1" in the northern part of the valley.
- No precipitation expected in the southern part of the valley

Central Coast

Counties: Santa Cruz, Santa Clara, San Benito, Monterey, San Luis Obispo

- Less than 0.1"

South Coast

Counties: Santa Barbara, Ventura, Los Angeles, Orange, San Diego

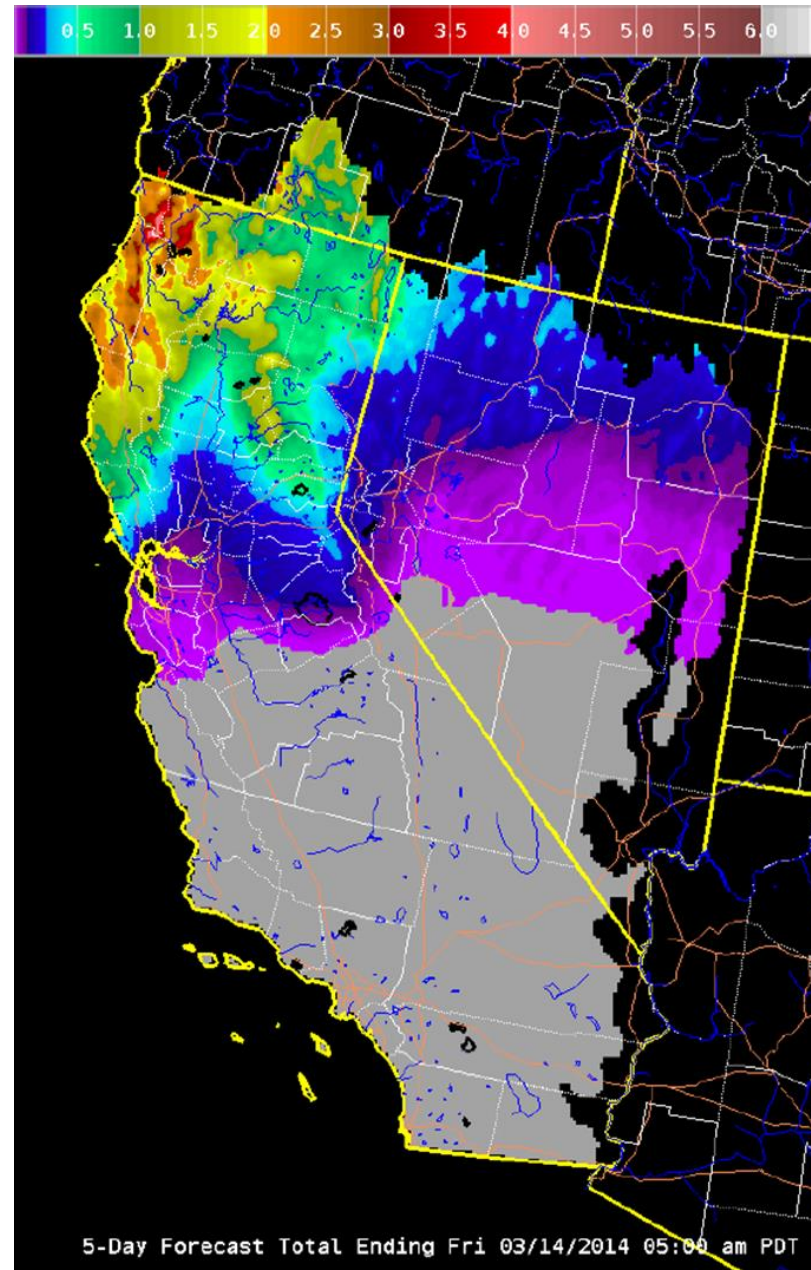
- No precipitation expected

Southeast Interior

Counties: Mono, Inyo, San Bernardino, Riverside, Imperial

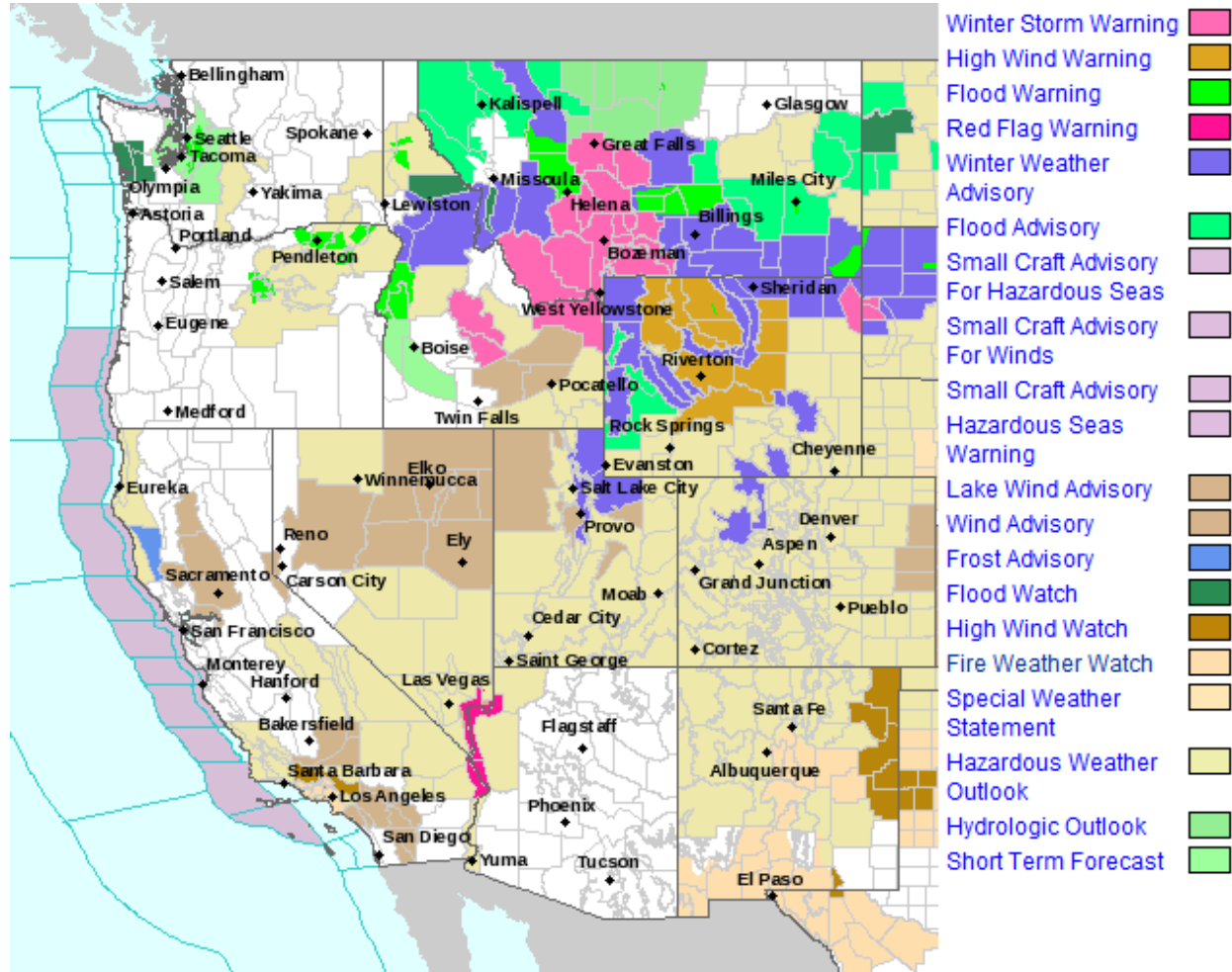
- No precipitation expected

California Precipitation Forecast Graphic 3/9/14 – 3/14/14



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STATE WEATHER MAP



Last map update: Mar, 10th 2014 at 5:56:23 pm MDT



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FIRE ACTIVITY



Preparedness Levels:

National Preparedness Level 1

Northern California

Preparedness Level 1 Multi-Agency Coordination System MACS Mode 2

Southern California

Preparedness Level 2 Multi-Agency Coordination System MACS Mode 2

California Fire Potential & Weather Maps

Southern California 7 Day Significant Fire Potential

<http://psgeodata.fs.fed.us/7day/action/forecast/8>

Northern California 7 Day Significant Fire Potential

<http://psgeodata.fs.fed.us/7day/action/forecast/10>

California Fire Weather Map Watches and Warnings

<http://www.wrh.noaa.gov/firewx/main.php>

NWS California River Forecast Center:

<http://www.cnrfc.noaa.gov/>

No Significant Fire Activity to Report

CAL OES ACTIVATIONS

Cal EOC Incident – 2014 Drought

- The SOC is activated at Level 2 in support of the Drought State of Emergency from 0800-1700 hours daily.
- The Inland REOC is activated at Level 2 from 0800-1700 Monday through Friday or as needed.
- The Southern REOC is activated at Level 1.
- The Santa Barbara County OA EOC is activated at Level 2 to be handled by the duty officer for the purpose of monitoring activities and gaining situational awareness. The operational period is 0800-1700 hours.

SIGNIFICANT EVENTS / ACTIVITY

Cal EOC Incident – 2014 Drought

Situational Summary: (No Change)

- Strong winter storms hit California beginning Wednesday 2/26/14 through Sunday 3/2/14 bringing heavy rain and snow across the state. Both Northern and Southern California received significant rain, and the Sierra Nevada's gained substantial snowpack. Northern California continues to experience showers throughout the week. Even with this significant precipitation, the state continues to be in a severe drought. Reservoir levels remain low despite these recent storms. The drought could result in severe impacts to municipal water supplies, wells, agriculture (plants and livestock) and firefighting capabilities for several months. The State Operations Center (SOC) continues to be activated to monitor the situation statewide, and support regional and local operational areas.
- The Drought Task Force leaders traveled to Merced for another of its local meetings on Tuesday, 3/4/14. The Taskforce continues to meet weekly to take actions that conserve water and coordinate state response to the drought.
- Sixteen counties and four Native American tribes have proclaimed a local state of emergency as a result of the drought. The California Public Utilities Commission regulates all for-profit water utilities in the state and has ordered private water utilities to implement 20% voluntary water use reductions.
- The recent snowpack survey conducted on 2/27/14, recorded California snowpack at 24% of normal. A more recent update using automated devices after the recent storm (March 6) shows snowpack at 33% of normal.
- DWR has announced that water essential for health and safety will be delivered through the state water project in spite of the zero allocation policy. Deliveries will be boosted if storms produce enough rain and snow to increase reservoir storage and the snow pack.

Cal EOC Incident – 2014 Drought (Cont.)

Situational Summary: (Cont.)

- On March 4th and 5th the Groundwater Resources Association of California held a conference at McClellan Park in Sacramento to discuss groundwater issues and water management and strategies addressing challenges of Sustainability and Drought in California. It was organized in cooperation with *The U.S. Society for Irrigation and Drainage Professionals* (USCID)
- Cal OES continues to gather drought-related costs from state agencies and local governments.

Current Conditions:

Despite above average rain and snow in February, much of California has received only about 50% of normal precipitation for this rainy season. Heavy rain and snow would have to fall throughout California very frequently from now until May to reach average annual rain and snowfall levels. Even with such precipitation, California would remain in drought conditions, due to low water supplies in reservoirs from the two previous dry years.

Current Drought Updates:

- 2014 Drought Response Report – Attached ([Update](#))
- ***[Please see attachment for the Weekly Drought Update](#)***

Declarations/Resolutions/Proclamations: (No Change)

State:

01/17/14 – January 17, 2014, Governor Edmund G. Brown proclaimed a State of Emergency and directed state officials to take all necessary actions to prepare for these drought conditions.

Declarations/Resolutions/Proclamations: (Cont.)

County Declarations/Resolutions/Proclamations:

Declarations/Resolutions/Proclamations			
Inland Region			
County		Request	Reaffirmation Received
Glenn	1/30/2014	State and Federal relief	
Kern	1/14/2014	Gubernatorial and Presidential	
Kings	1/14/2014	State and Federal assistance	
Madera	1/28/2014	No specific request	
Merced	3/6/2014	No specific request	
Modoc	3/5/2014	No specific request	
San Joaquin	1/28/2014	No specific request	3/4/2014
Sutter	2/11/2014	Gubernatorial and Presidential	
Tulare	2/4/2014	CDAA and Federal assistance	3/3/2014
Tuolumne	2/4/2014	CDAA and Federal assistance	
Yuba	2/18/2014	Gubernatorial and Presidential	
Coastal Region			
County		Request	Reaffirmation Received
Lake	3/6/2014	CDAA and Federal assistance	
Mendocino	1/7/2014	No specific request	
Sonoma	2/25/2014	CDAA and Federal assistance	
Southern Region			
County		Request	Reaffirmation Received
Inyo	1/28/2014	CDAA	
Santa Barbara	1/17/2014	No specific request	

Declarations/Resolutions/Proclamations:

City / Tribe / Special District Declarations/Resolutions/Proclamations:

Declarations/Resolutions/Proclamations		
Inland Region		
City/Tribe/Special District		Request
Placer County Water Agency Placer	2/6/2014	Local conservation and funding measures
Twain Harte Community Services Dist Tuolumne	1/29/2014	Enact District conservation measures
Tule River Tribe Tulare	1/30/2014	Enact Tribal emergency authorities
Lake Don Pedro Community Services Dist. Mariposa	2/18/2014	Declare a Stage I Water Emergency
Karuk Tribe Siskiyou, Humboldt	2/18/2014	Enact Tribal emergency authorities
Mariposa Public Utility District	2/4/2014	Enact District conservation measures
Coastal Region		
City/Tribe/Special District		Request
Hoopa Valley Tribe Humboldt	1/20/2014	Enact Tribal emergency authorities
Yurok Tribe Del Norte, Humboldt	1/29/2014	Enact Tribal emergency authorities
City of Willits Mendocino	1/7/2014	Declare a Phase V Water Emergency
Brookside Township Mendocino	1/7/2014	
City of Calistoga Napa	2/4/2014	Declare a Stage II Water Emergency
City of St. Helena Napa	1/28/2014	Declare a Stage II Water Emergency
City of American Canyon Napa	2/4/2014	Declare a Stage I Water Emergency
Southern Region		
City/Tribe/Special District		Request
Carpinteria Valley Water District	2/12/2014	Declare a Stage I Water Emergency
Meiners Oaks Water District	3/4/2014	Declare a Stage II Water Emergency



Counties Which Have Established a Drought Task Force (DTF)

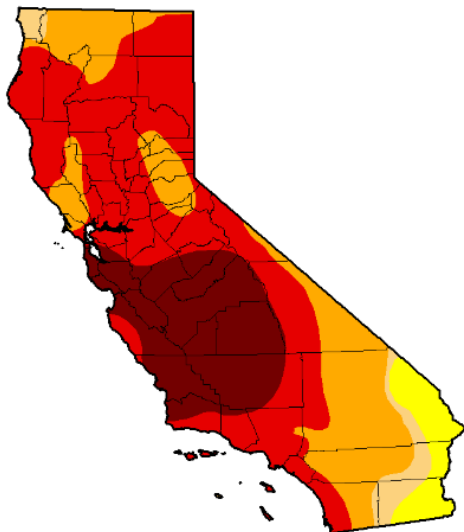
Information as of 3/4/14

County Drought Task Force Upcoming Meetings		
Inland Region		
County	Previous Meetings	Upcoming Meetings
Amador	3/2/2014	
Butte	2/18/2014	5/19/2014
Fresno		3/10/2014
Madera	2/18/2014	3/11/2014
Merced		3/19/2014
Modoc	2/25/2014	
Nevada	1/22/2014	2/28/2014
Placer	2/19/2014	3/12/2014
Plumas	2/24/2014	3/17/2014
Sacramento	2/21/2014	3/7/2014
San Joaquin	2/19/2014	3/19/2014
Siskiyou	2/19/2014	
Solano		
Stanislaus	3/3/2014	3/19/2014
Sutter		3/13/2014
Tehama		
Tulare		3/10/2014
Tuolumne	2/28/2014	3/28/2014
Coastal Region		
County	Previous Meetings	Upcoming Meetings
Mendocino	2/26/2014	
Monterey		
San Mateo		3/18/2014
Santa Clara	2/27/2014	
Southern Region		
County	Previous Meetings	Upcoming Meetings
San Luis Obispo		3/11/2014
Santa Barbara		3/12/2014



U.S. Drought Monitor

California



March 4, 2014


(Released Thursday March 6, 2014)


Valid 7 a.m. Eastern

Week	Date	Nothing	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	3/4/2014	0.00	100.00	94.56	90.82	65.89	22.37
Last Week	2/25/2014	0.00	100.00	94.56	90.82	73.83	26.21
3 Months Ago	12/3/2013	2.61	97.39	94.15	82.53	27.59	0.00
Start of Calendar Year	12/31/2013	2.61	97.39	94.25	87.53	27.59	0.00
Start of Water Year	10/1/2013	2.63	97.37	95.95	84.12	11.36	0.00
One Year Ago	3/5/2013	0.03	99.97	47.37	26.96	0.00	0.00


Intensity:

 D0 - Abnormally Dry

 D1 - Moderate Drought

 D2 - Severe Drought

 D3 - Extreme Drought

 D4 - Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying [text summary](#) for forecast statements.

Author(s):

David Miskus, NOAA/NWS/NCEP/CPC



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Northern California – Significant Activity

6.9 Magnitude Earthquake, Humboldt County

- **Situation**

- On 3/09/14 at 2218 hours, a verified 6.9 Magnitude Earthquake occurred 40 miles off the coast of Eureka, Humboldt County.
- No tsunami advisory, watch or warning is in effect for California.
- Aftershocks of varying magnitudes have occurred today and there are still no reports of any damage or injuries.

- **Analysis**

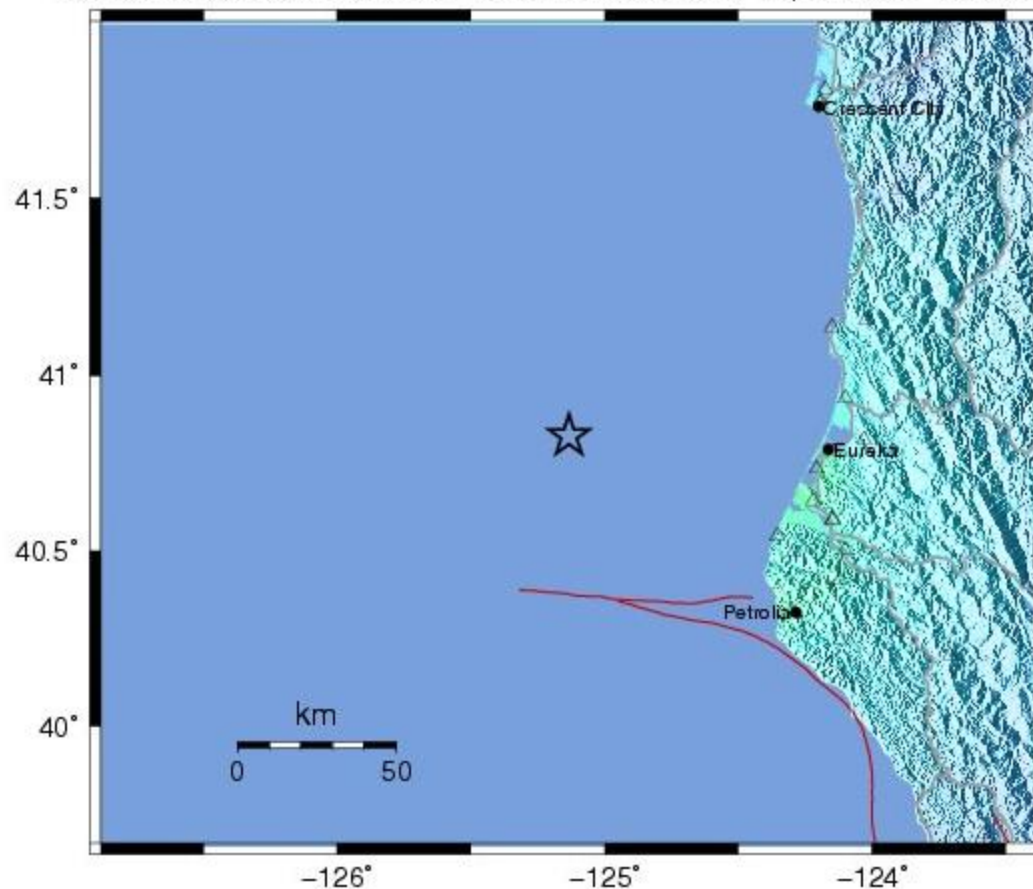
- Per California Geological Survey, based on the earthquake magnitude, location, and style of fault rupture, there was a low likelihood that a significant tsunami would be generated earthquake. There was no noticeable tsunami activity on the tide gauges in Crescent City and Humboldt Bay, approximately 50-60 miles east of the earthquake epicenter. This earthquake, centered near the outer rise of the Gorda Tectonic Plate, likely resulted from a strike-slip fault rupture. The epicenter was to the west of the Cascadia Subduction Zone and seems unrelated. The area of the March 9 earthquake has experienced many large earthquakes of similar magnitudes in the past.
- Per USGS, historical earthquakes in the area have caused secondary hazards such as landslides and liquefaction. Per Caltrans, there have been no reported mud or rock slides due to the earthquake.

- **Response**

- A Cal OES Coastal Region Senior ESC met with Humboldt County today and surveyed the area for any damage – there was nothing to report.



USGS ShakeMap : 78.5 km (48.8 mi) WNW of Ferndale, CA
 Mon Mar 10, 2014 05:18:13 AM GMT M 6.9 N40.83 W125.13 Depth: 16.6km ID:72182046



Map Version 13 Processed Mon Mar 10, 2014 11:18:52 AM GMT

PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	none	none	none	Very light	Light	Moderate	Mod/Heavy	Heavy	Very Heavy
PEAK ACC (%g)	<0.1	0.5	2.4	6.7	13	24	44	83	>156
PEAK VEL (cm/s)	<0.07	0.4	1.9	5.8	11	22	43	83	>160
INSTRUMENTAL INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+

Scale based upon Wald, et al., 1999



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CAL OES MISSIONS

Drought Related Missions

- **2014-Inland-2185** Tuolumne County does not have a water master or any alternative resources to assist in determining the health of their ground water system. The County is requesting state agency expertise to assist with this determination.

Ongoing Cal OES Missions

- **2014-SREOC-2453** On 3/5/2014, San Bernardino County Fire OES is requesting communications support for Baker to Vegas Challenge Cup Relay on March 20, 2014. Cal OES T-Comm representative is coordinating the required resources.
- **2014-LAW-2450** Santa Barbara County Sheriff's Department is requesting ten Search and Rescue personnel that are EMS certified to assist with a special event. Resource will be needed from 1100 hours till Midnight on April 8, 2014. San Luis Obispo County Sheriff's Department will be responding with requested resources.

Ongoing Cal OES Missions (Cont.)

- **2014-LAW-2401** 2/28/14, 1510 hours, Santa Cruz Sheriff's Department requested the assistance of the Santa Clara County Sheriff's Department historic human remains detection (HRD) K-9 Teams. Santa Clara County SO agreed to support the mission. LDO notified the Cal OES K-9 Coordinator of the resource request. The search is scheduled for 03/12/14.
- **2014-LAW-2380** The San Bernardino County Sheriff's Department as the Regional Mutual Aid Coordinator is requesting the 9th Civil Support Team of the California National Guard for support during the running of the Auto Club Speedway's NASCAR Races to be held from Friday, March 21, 2014 through Sunday, March 23, 2014. The CNG has accepted the mission and will deploy the requested resources.
- **2014-LAW-2307** California Department of Fish and Wildlife (DFW) has requested California Air National Guard to assist in the movement of equipment and fuel between Farallon National Wildlife Refuge and the mainland. Approximately 3-4 sorties are expected with an HH-60G helicopter any one day between 2/24-28/2014 or before 3/15/2014. After receiving the official letter of request from USFWS on behalf of the California DFW, Cal OES LDO has changed the target date of the mission to 2/27/14, the county to Marin as Stinson Beach was Identified as the primary staging area and the resource to an HH-60.

Ongoing Cal OES Missions (Cont.)

- **2014-SOC-2111** Mission is to test the Cascadia Subduction Zone (CSZ) air bridge concept by air transporting 7 passengers from OES and 1 CANG logistics planner on 13 May 2014 from Mather to the State Staging Area (SA) in Redding, to one POD in Del Norte and one POD in Humboldt, to the Redding State SA, and return to Mather. Passengers will discuss actions at the Redding SA and at each OA POD while they are at each location. The air bridge is a critical component to CSZ response and recovery. It is imperative this concept is tested to ensure response teams can be successfully transported into the effected region and the affected Operational Areas' are able to receive aircraft at designated PODs.

UPCOMING EVENTS, TRAINING, EXERCISES

Diablo Canyon Power Plant, Rehearsal / Full Scale Exercise

Diablo Canyon Power Plant in San Luis Obispo will be hosting two full scale Hostile Action Based exercises this Spring. A dress rehearsal exercise will be held on April 16, 2014 and a FEMA evaluated exercise will held on May 21, 2014. This is part of the required biennial demonstration of our ability to protect the public from a radiological incident at the nuclear power plant.

2014 Golden Guardian

Planning is currently underway for the Governor's 2014 exercise series. The series will test the *California Cascadia Subduction Zone Earthquake and Tsunami Response Plan* developed by FEMA Region IX and Cal OES

- Logistics Rehearsal of Concept Drill - April 2, 2014
- REOC Communications Functional Exercise - March 27, 2014

The Tsunami Warning Communications Test

Live code, activating EAS will be on the North Coast in Del Norte, Humboldt, Mendocino Counties on Wednesday 3/26/2014 (between 11:00 and Noon PDT).

- Del Norte County will be asking residents of the community to participate in a full evacuation exercise on March 26 between 1100 – 1300 hours PDT.



Mission:

We protect lives and property, build capabilities, and support our communities for a resilient California.

We achieve our mission by serving the public through effective collaboration in preparing for, protecting against, responding to, recovering from, and mitigating the impacts of all hazards and threats.